

(12) UK Patent Application (19) GB (11) 2 325 537 (13) A

(43) Date of A Publication 25.11.1998

(21) Application No 9805687.2

(22) Date of Filing 17.03.1998

(30) Priority Data

(31) 08828709 (32) 31.03.1997 (33) US

(71) Applicant(s)

Microsoft Corporation
(Incorporated in USA - Washington)
One Microsoft Way, Redmond, WA 98052-6399,
United States of America

(72) Inventor(s)

James O Roberts
David S Byrne
Steve Fluegel
Gabe Newell
Dan Newell
Kenneth Abbott

(51) INT CL⁶

H04N 7/088, G06F 17/30

(52) UK CL (Edition P)

G4A AUDB
H4F FBB FD22 FD24
U1S 52206

(56) Documents Cited

EP 0758833 A2 EP 0705036 A2 WO 97/46011 A1
WO 97/02702 A2 WO 94/14284 A1 US 5606691 A
US 5223924 A

(58) Field of Search

UK CL (Edition P) G4A AUDB, H4F FBB
INT CL⁶ G06F 17/30, H04N 7/088
Online: WPI

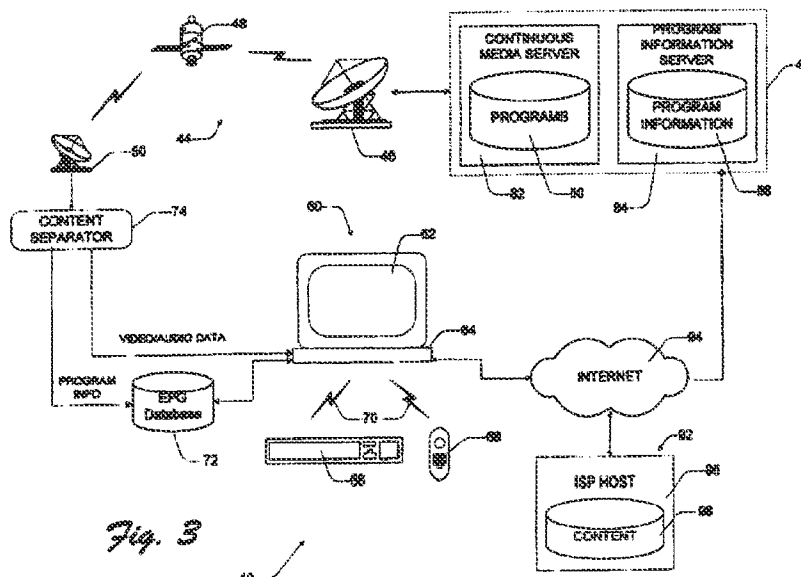
(74) Agent and/or Address for Service

Withers & Rogers
4 Dyer's Buildings, Holborn, LONDON, EC1N 2QP,
United Kingdom

(54) Abstract Title

An electronic television programme guide

(57) An electronic programme guide (EPG) database is interrogated to produce a list of programmes that may be of interest to a viewer. Queries may be composed by users or may be developed automatically by inspection of viewing habits or viewer profiles. Viewer profiles may be produced by interrogation of the viewer. User queries may be stored hierarchically and queries relating to different viewers may be merged. Queries may be allowed to run continually to uncover programmes of interest as they arise in the EPG. Queries may restrict selection of certain categories. A 10-key alphanumeric keypad may be used to enter query data. The EPG interprets the data from each key to mean any of the numbers or letters associated therewith and identifies all possible programmes and channels and networks. As the viewer continues to add letters or numbers, the list narrows dynamically until only a few choices remain. The EPG data may be transmitted with the TV signals and may contain links to Web pages.



242226

۷۳۱

Prior Art

2/12

2/12/2001

30

File

Search--United

MPAA

Stations	Program Types
AMC	Business
ARTS	Business:Business
GET	Business:Finance
BRAVO	Business:Investment
ONBC	Childrens
CNN	Childrens:Nature
COM	Childrens:Science
CRTV	Educational
CSPAN	Educational:History
CSPANH	Educational:Music
DISN	Educational:Science
DSC	Educational:Teach
EI	Game Show
ESPN	Health
FAM	Health:Health
HBO	Health:Parenting
HSC	How To
HITS	How To:Art
LIFE	How To:Cooking
MAX	How To:Crafts
MTV	How To:Games
NICK	How To:Gardening

Date/Time Field

MPAA

Rating

Help

Preview

Begin

Reset

Cancel

32

34

36

Fig. 2
Prior Art

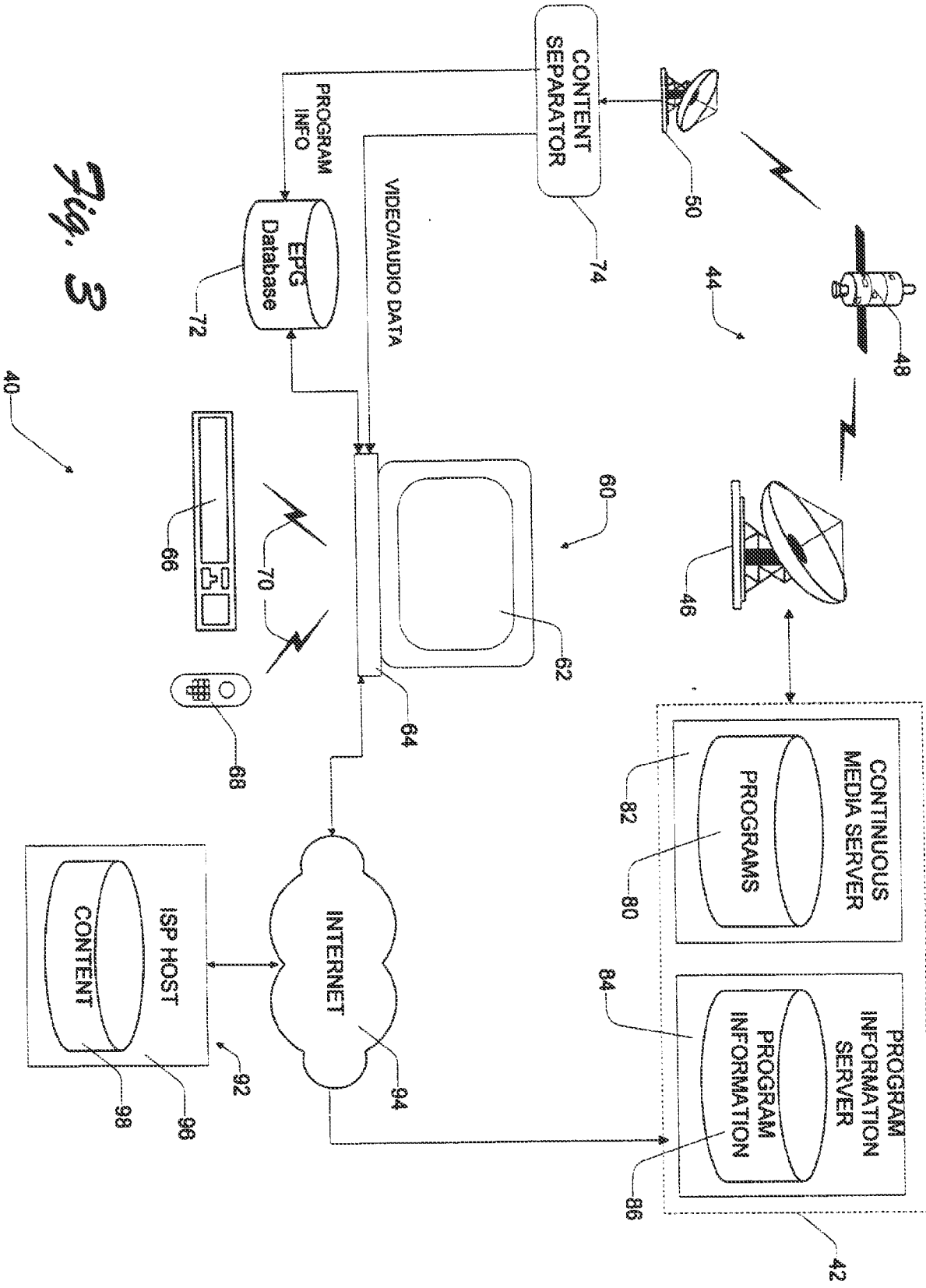


Fig. 3

4/12

STORAGE POINTER	TITLE	ACTOR	CC	STEREO	TIME	NETWORK	SUPPLEMENTAL CONTENT	DESCRIPTION
PROG1	MURDER SHE WROTE	LANDSBURY	YES	YES	8:00 PM THURSDAY	CBS	CONTENT1	"The Secret of Gila Junction" Jessica...
PROG2	SEINFELD	SEINFELD	YES	YES	9:00 PM THURSDAY	NBC	http://www.nbc.com/seinfeld.html	"The Friars Club" Jerry tries...
PROG3	STAR TREK NEXT GEN.	STEWART	YES	YES	10:00 PM FRIDAY	FOX	http://www.fox.com/startrek.html http://www.collections.com/trekcollectables.html	"Delta Vega" Picard is faced....

90

88

Fig. 4

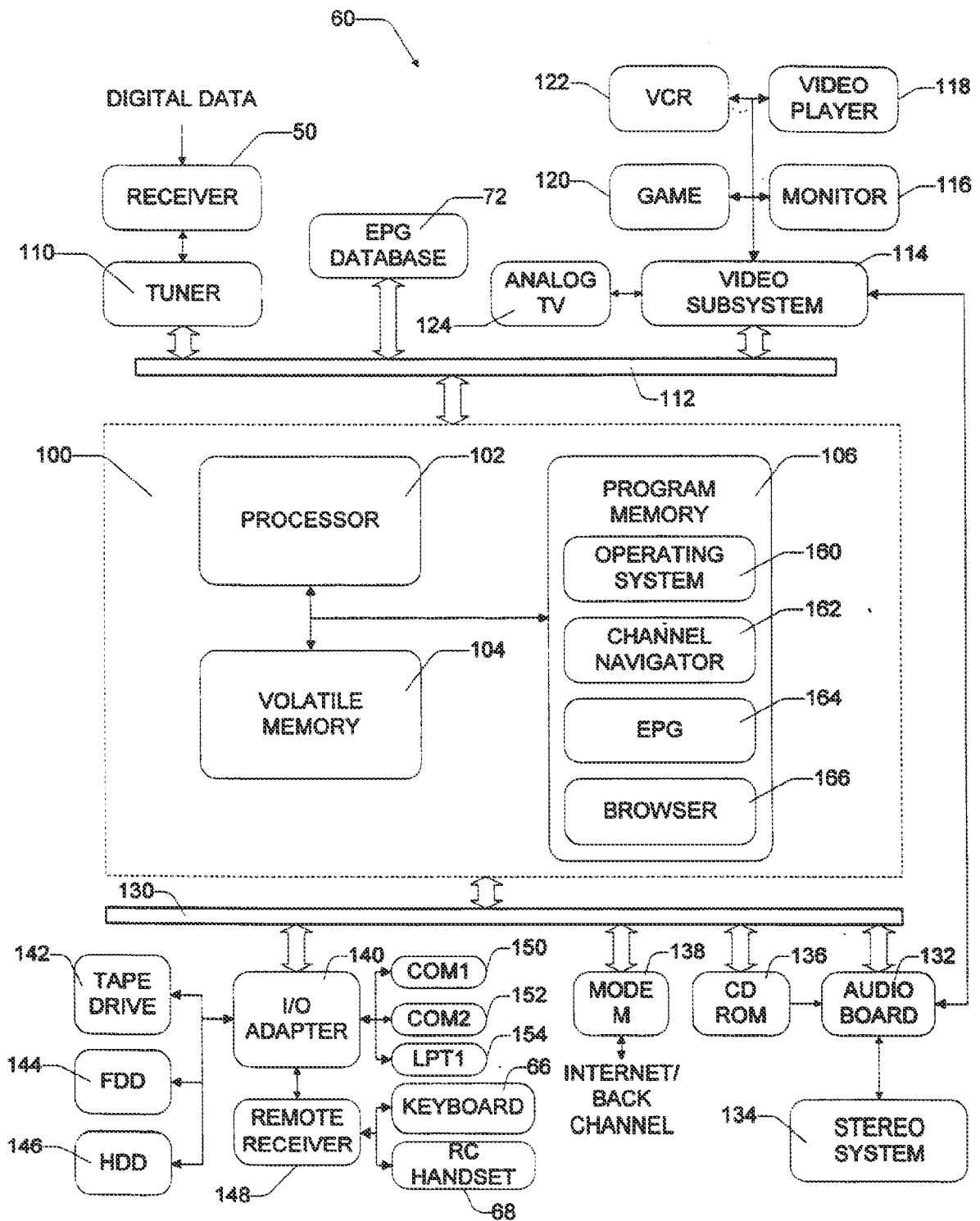


Fig. 5

6/12

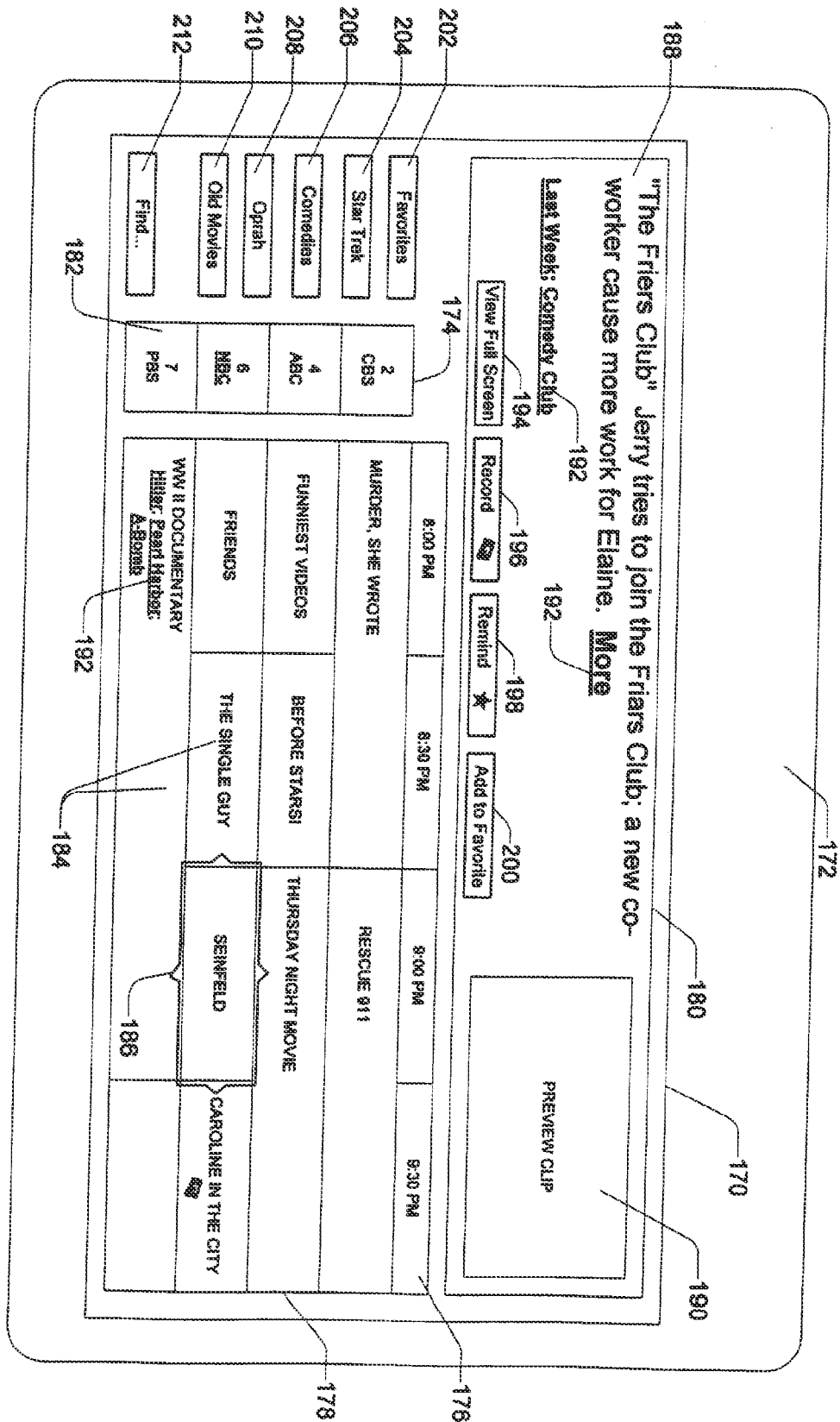


Fig. 6

7/12

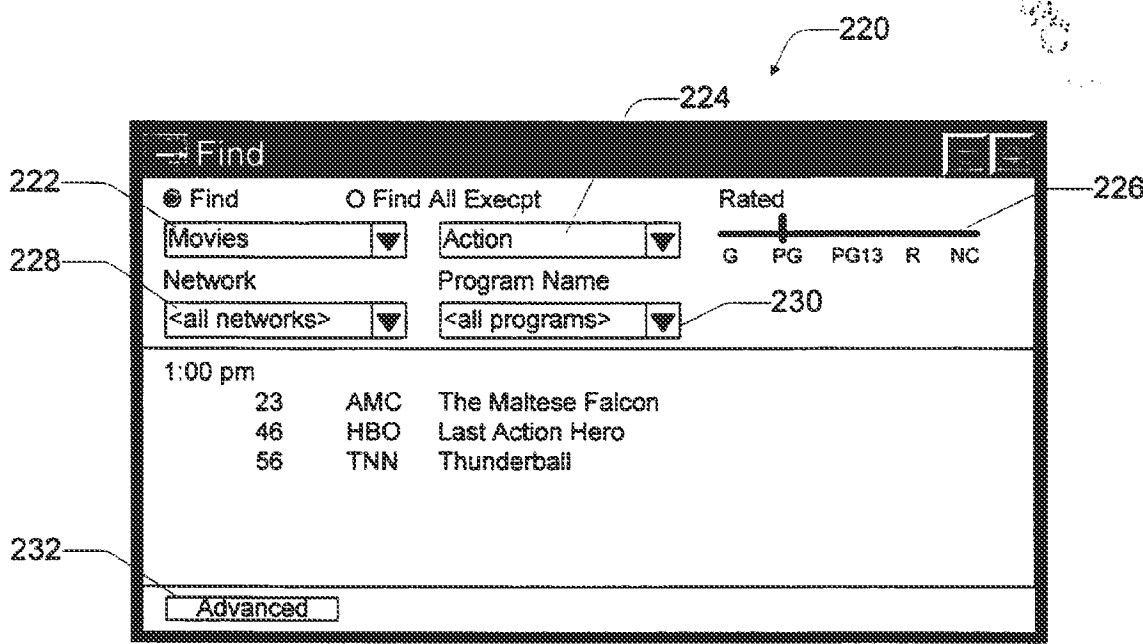


Fig. 7

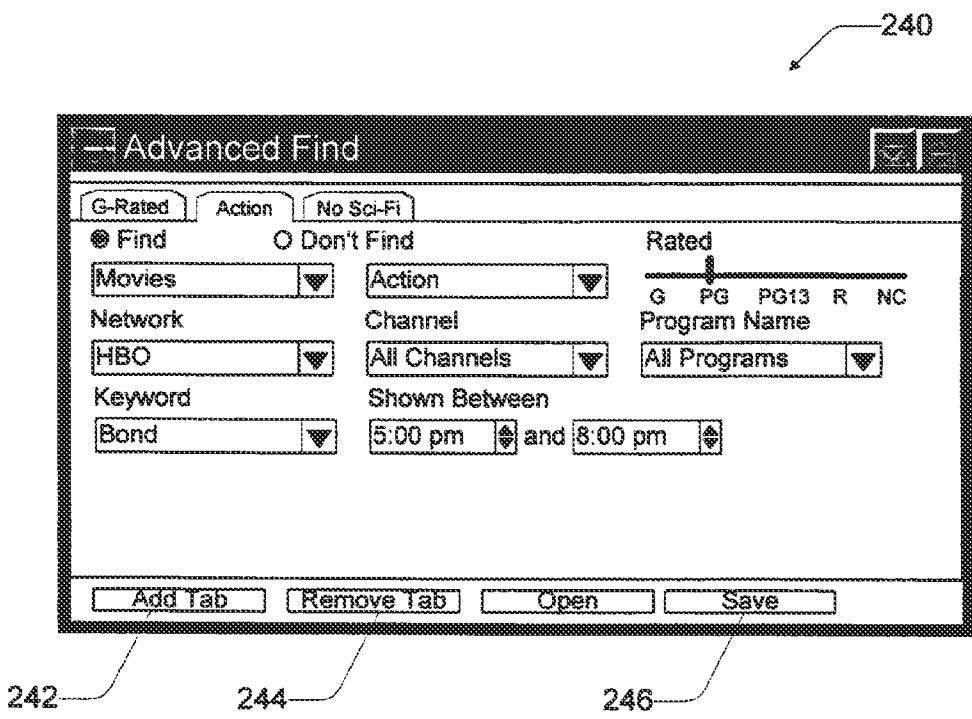


Fig. 8

8/12

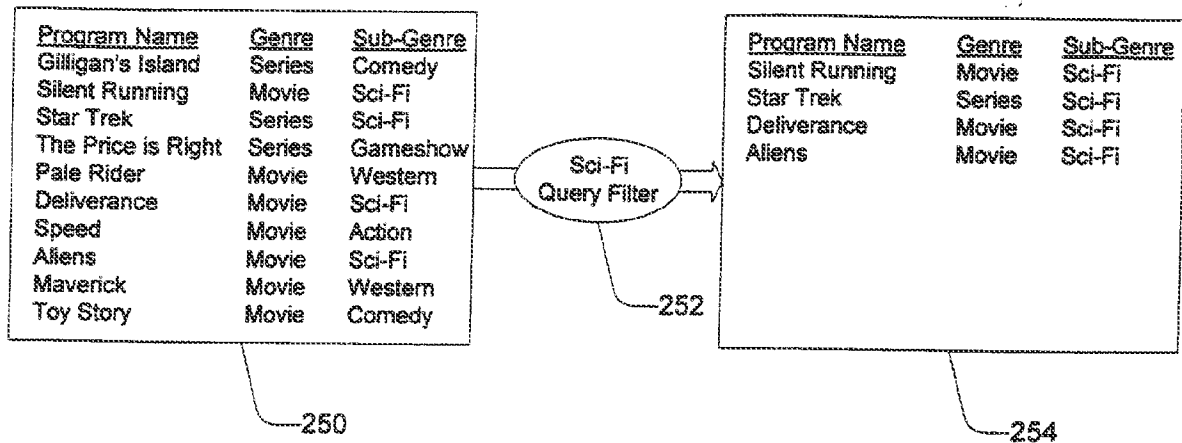


Fig. 9

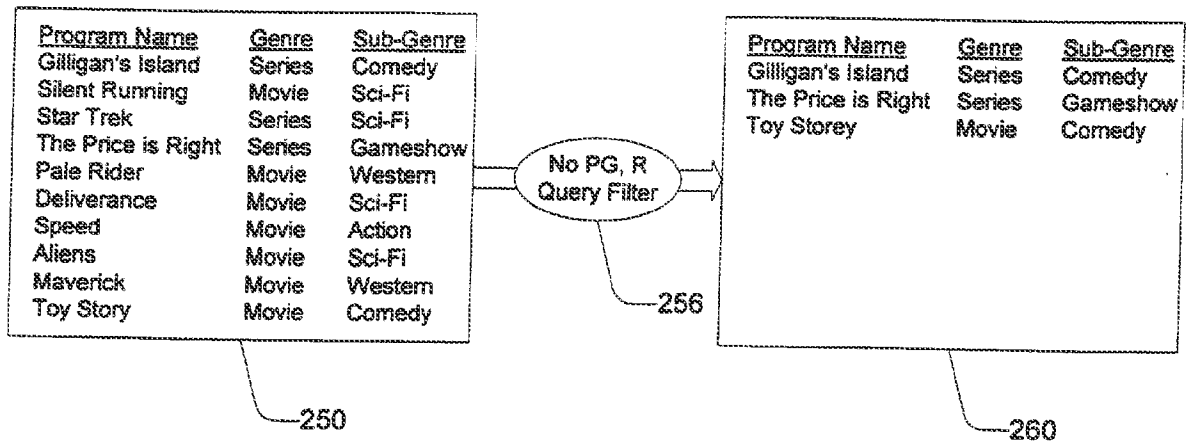


Fig. 10

9/12

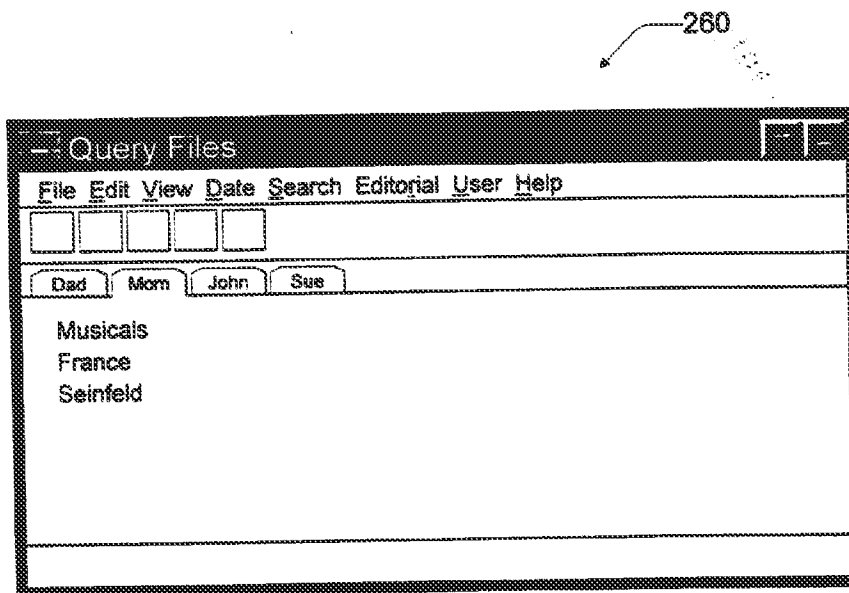


Fig. 11

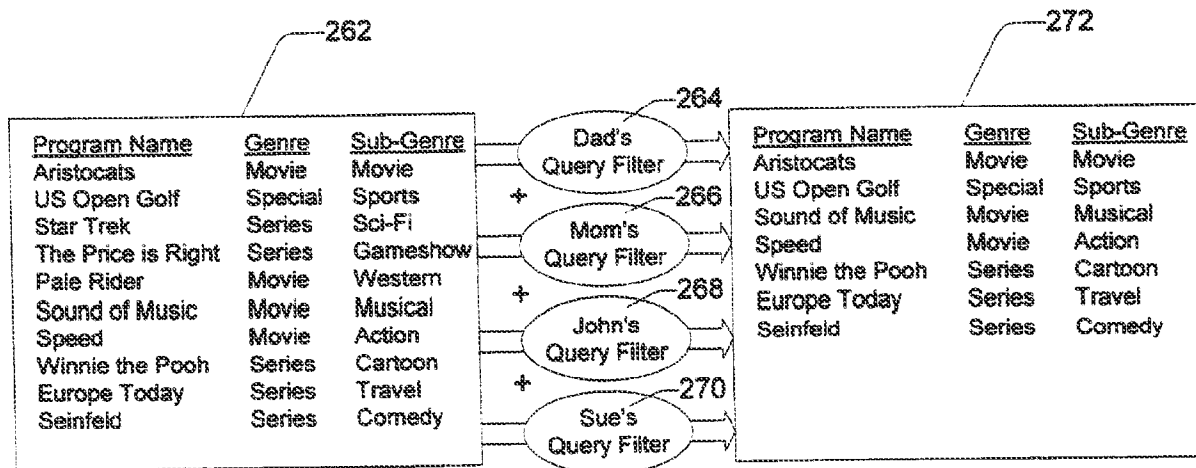


Fig. 12

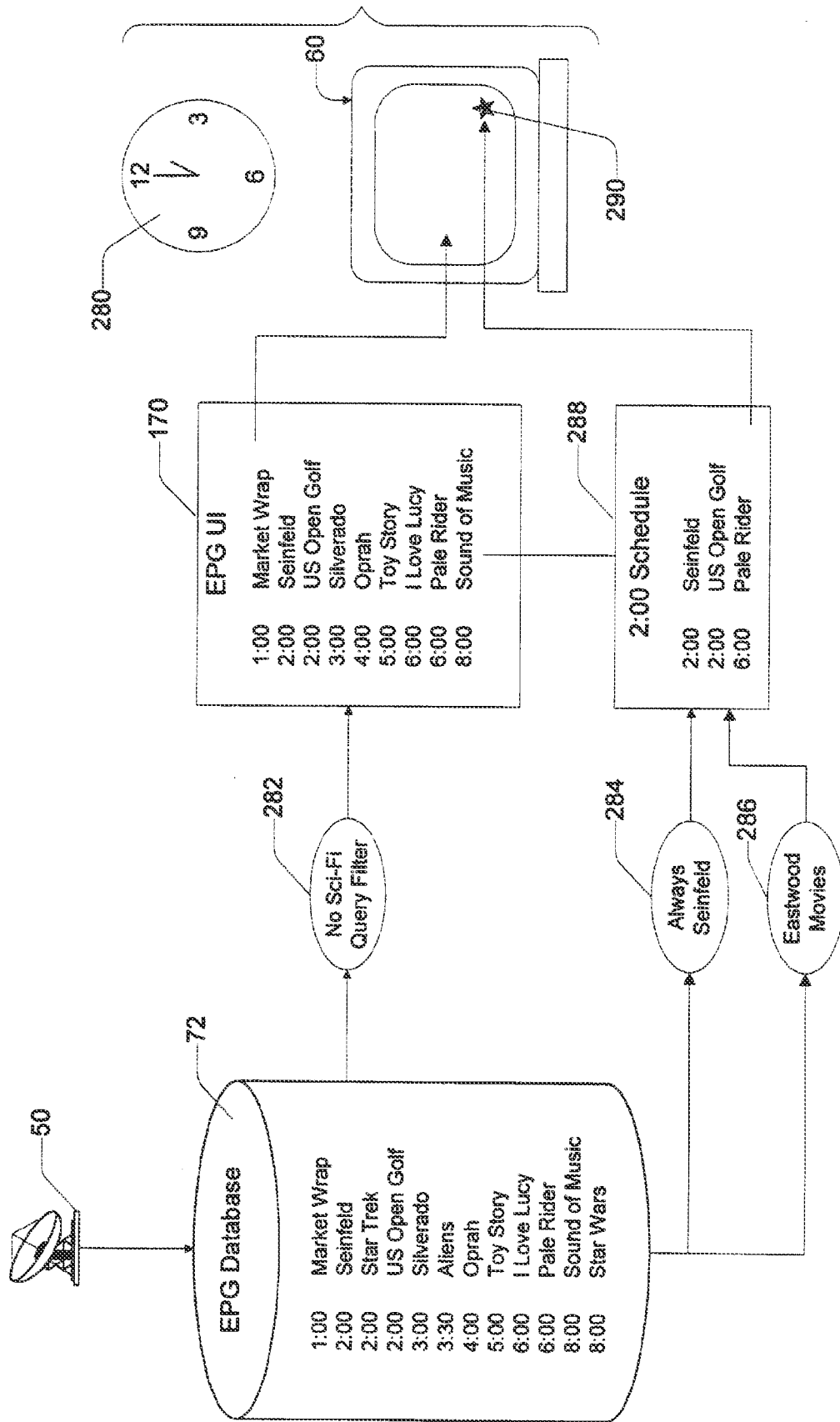


Fig. 13

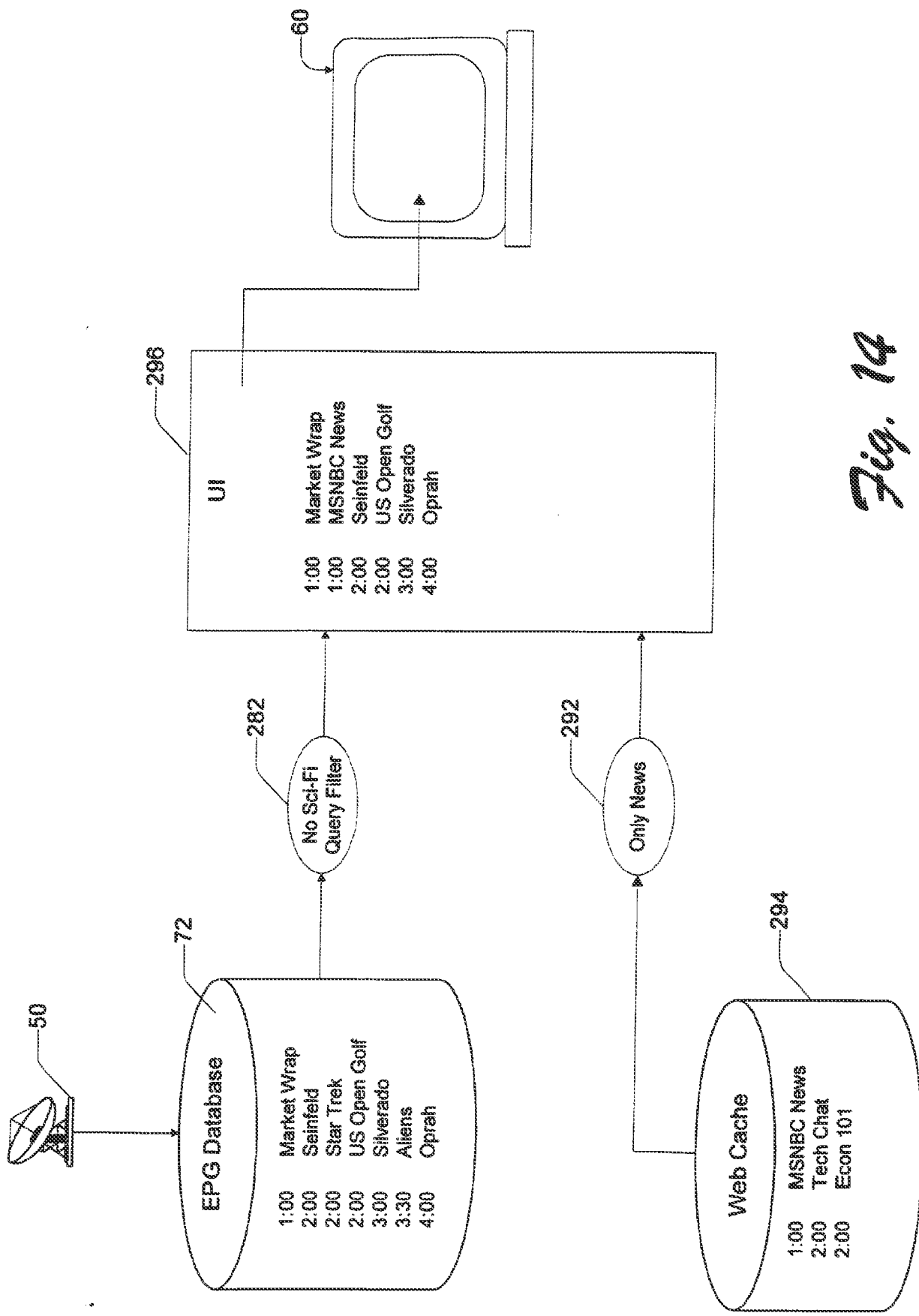


Fig. 14

12/12

300

Quick Find

Enter Network or Program Name

Magic |

Network	Program Name
ESPN	Orlando Magic v. Chicago Bulls
WGN	Chicago Bulls at Orlando Magic
DSC	Magical World of Science
DISN	Tour of the Magic Kingdom at Disney World

Fig. 15

(12) UK Patent Application (19) GB (11) 2 406 458 (13) A

(43) Date of A Publication 30.03.2005

(21) Application No: 0420710.6

(22) Date of Filing: 17.09.2004

(30) Priority Data:

(31) 10200364425 (32) 17.09.2003 (33) KR

(71) Applicant(s):

LG Electronics Inc.
(Incorporated in the Republic of Korea)
20 Yoido-Dong, Youngdungpo-gu, Seoul,
Republic of Korea

(72) Inventor(s):

Jun Kim
Sang O Park

(74) Agent and/or Address for Service:

Withers & Rogers
Goldings House, 2 Hays Lane, LONDON,
SE1 2HW, United Kingdom

(51) INT CL⁷:

H04H 1/00 , H04N 5/445 7/025

(52) UK CL (Edition X):

H4F FB88

H4L LERX

(56) Documents Cited:

EP 1220479 A2 EP 0989695 A2

EP 0961430 A2 EP 0843429 A2

(58) Field of Search:

INT CL⁷ H04B, H04H, H04N

Other: Online: WPI, EPODOC, JAPIO, INSPEC,
COMPENDEX

(54) Abstract Title: **Digital multimedia broadcasting receiver which displays additional information**

(57) A method of using additional information at a DMB (Digital Multimedia Broadcasting) receiver includes the steps of: extracting and displaying additional information from a DMB signal; selecting and storing a desired one of the displayed additional information; displaying a list of the stored additional information depending on a user's request command; and outputting additional information selected at the list of the additional information.

A feature element describing a feature of the additional information may be stored and used to arrange the display of additional information or to extract additional information corresponding to the feature element from the received DMB signal. The additional information may be traffic information or news.

FIG. 11

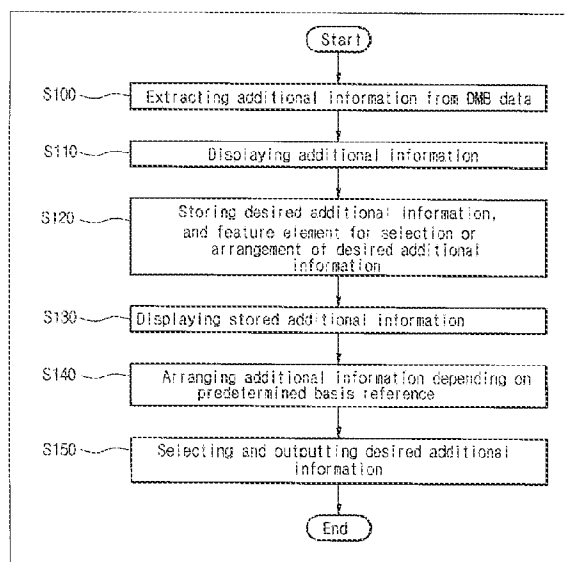


FIG. 1

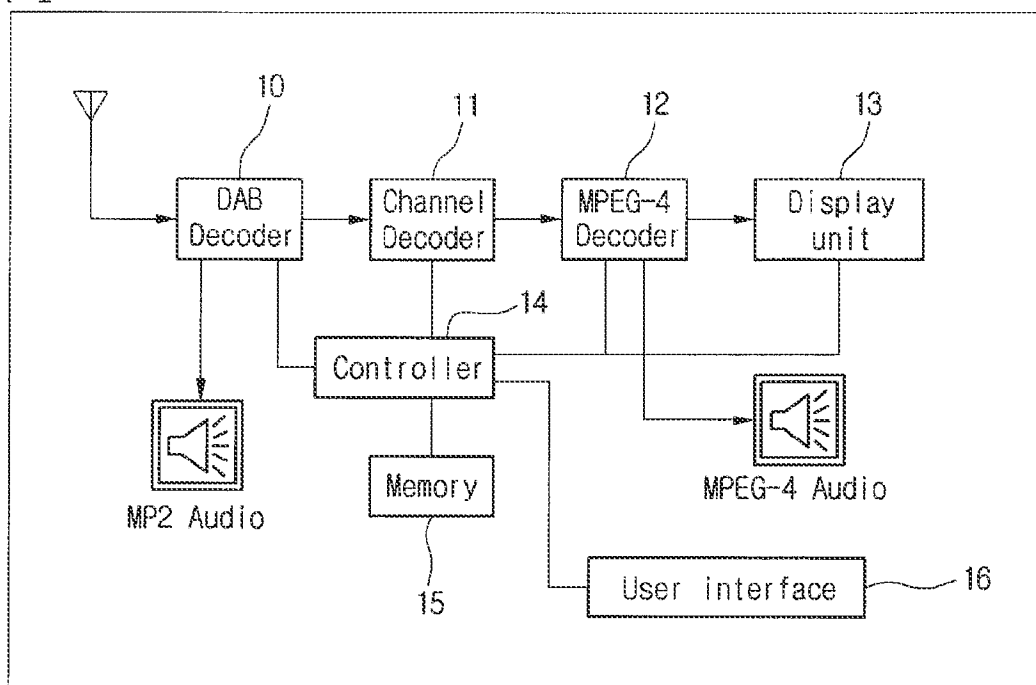


FIG. 2

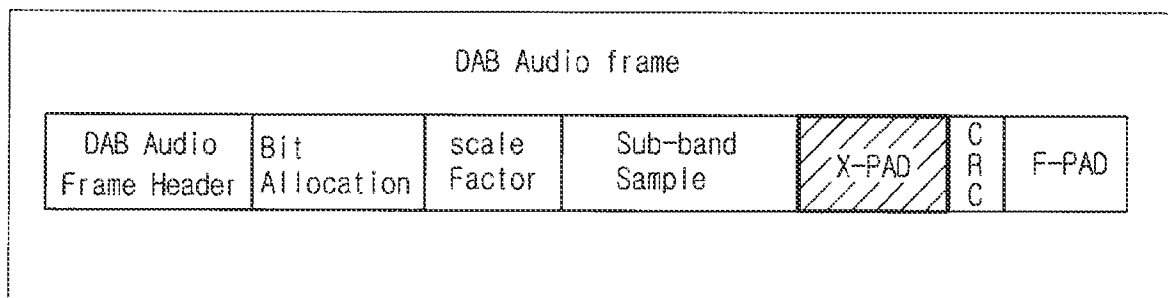


FIG. 3

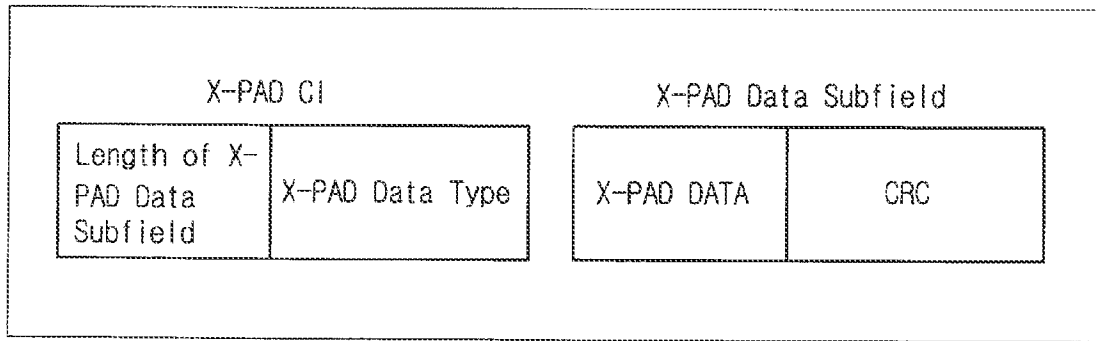


FIG. 4

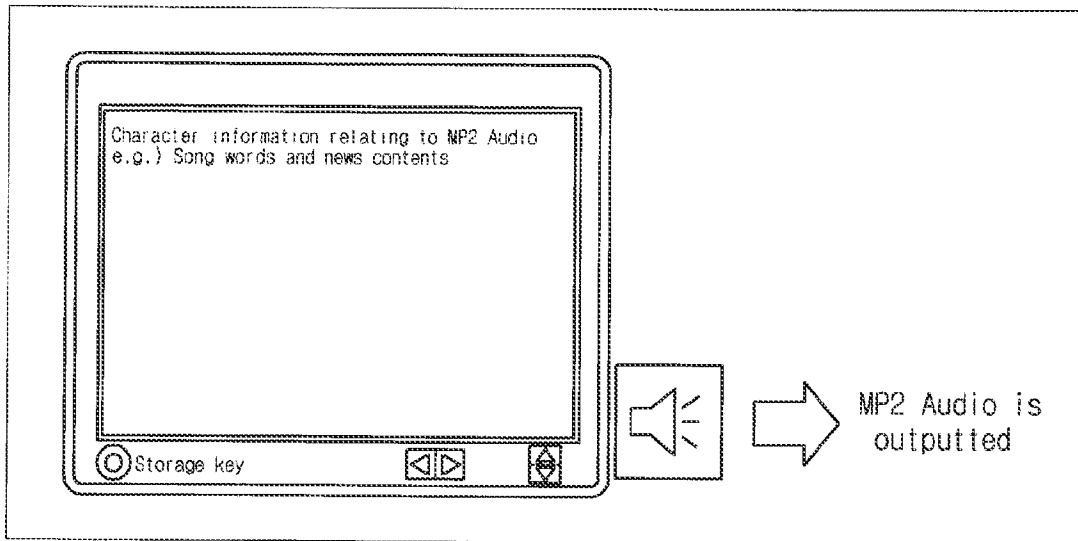


FIG. 5

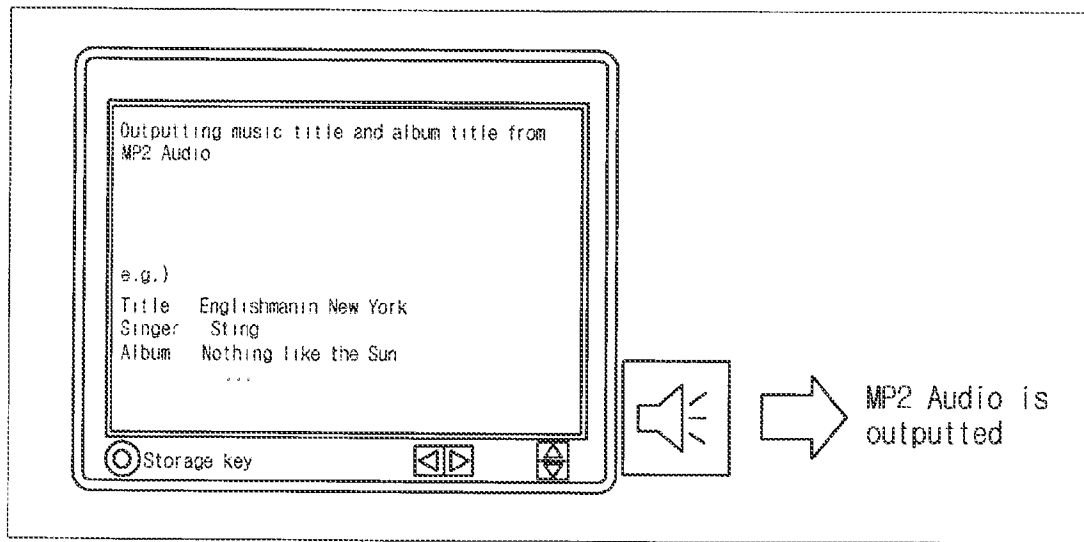


FIG. 6

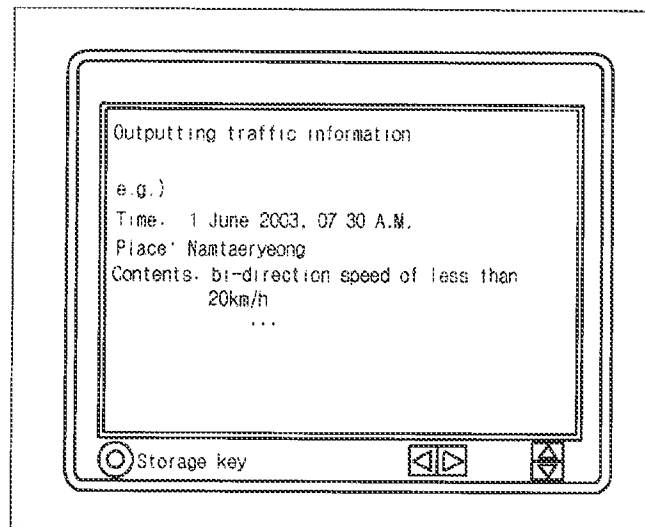


FIG. 7

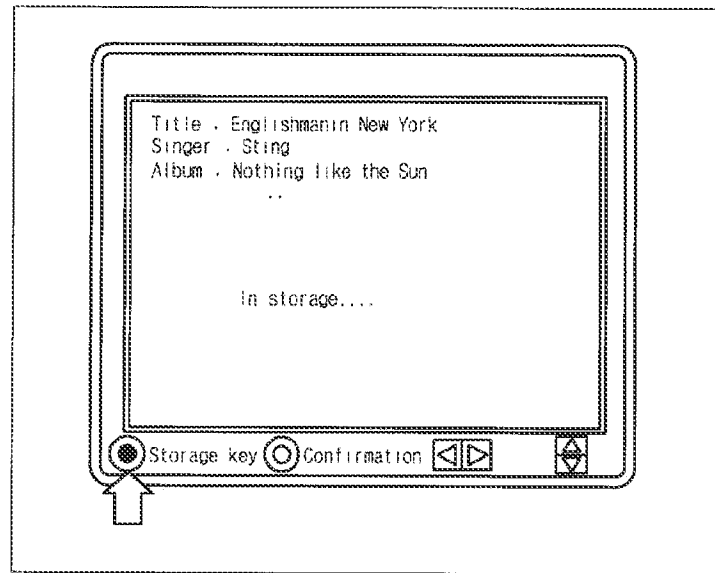


FIG. 8

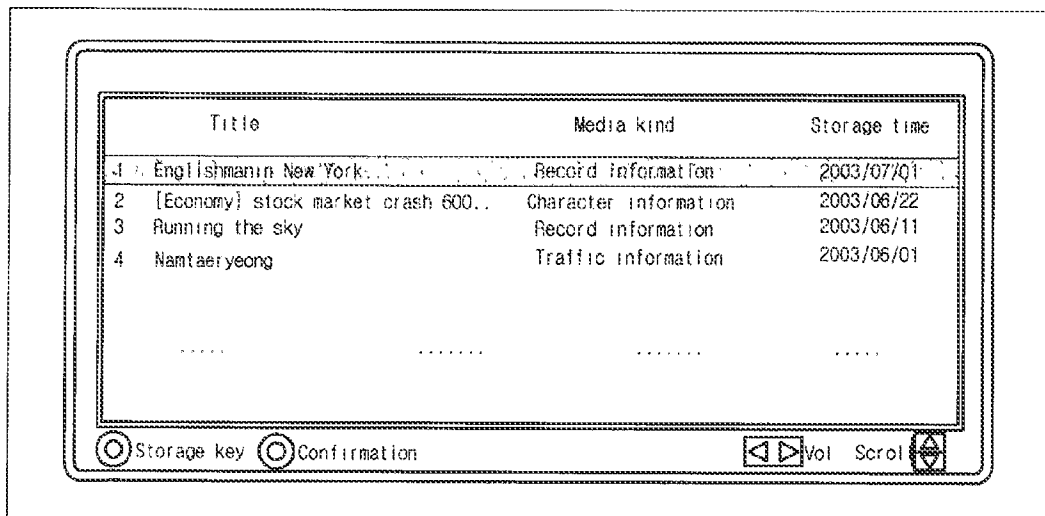


FIG. 9

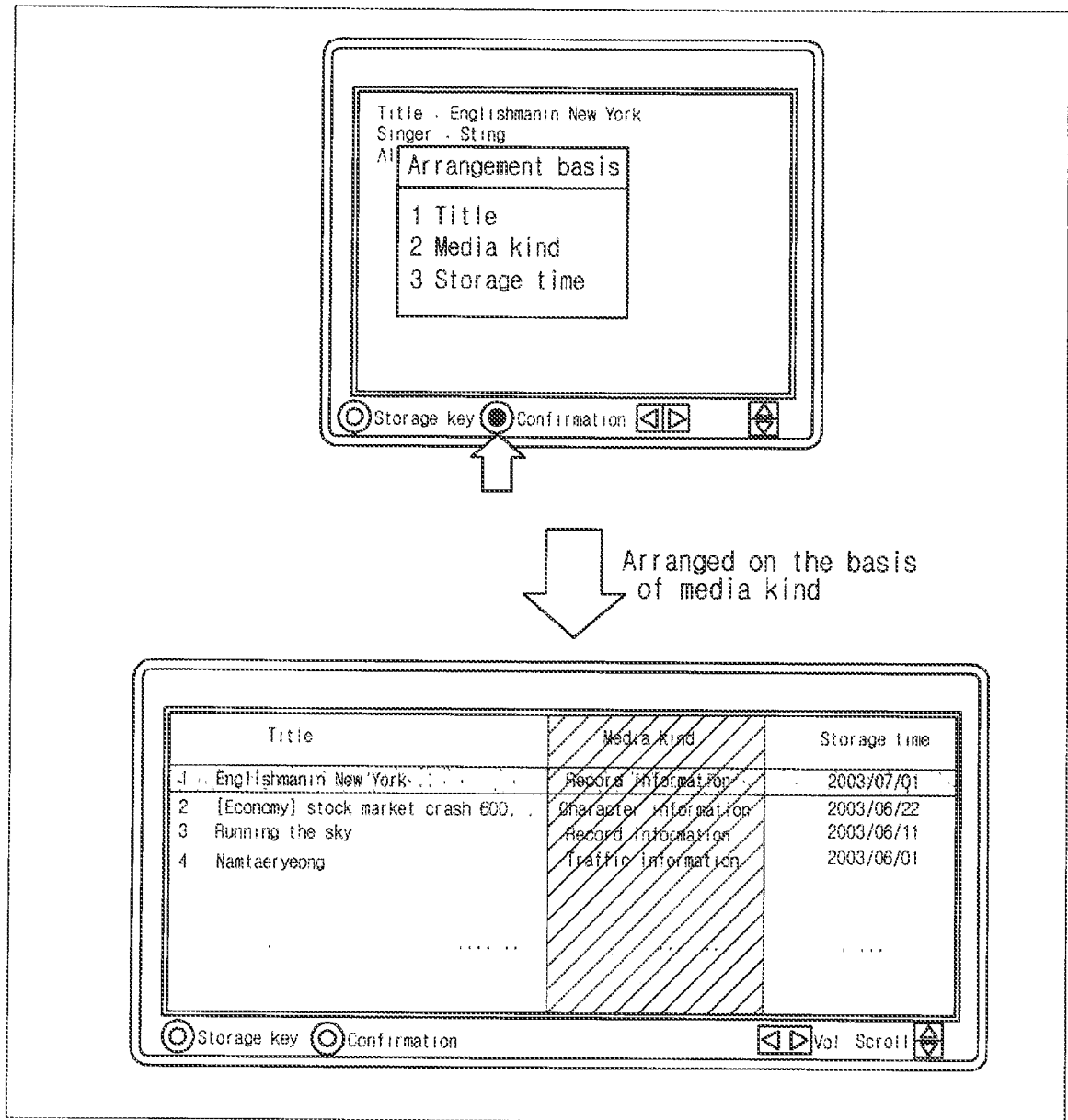


FIG. 10

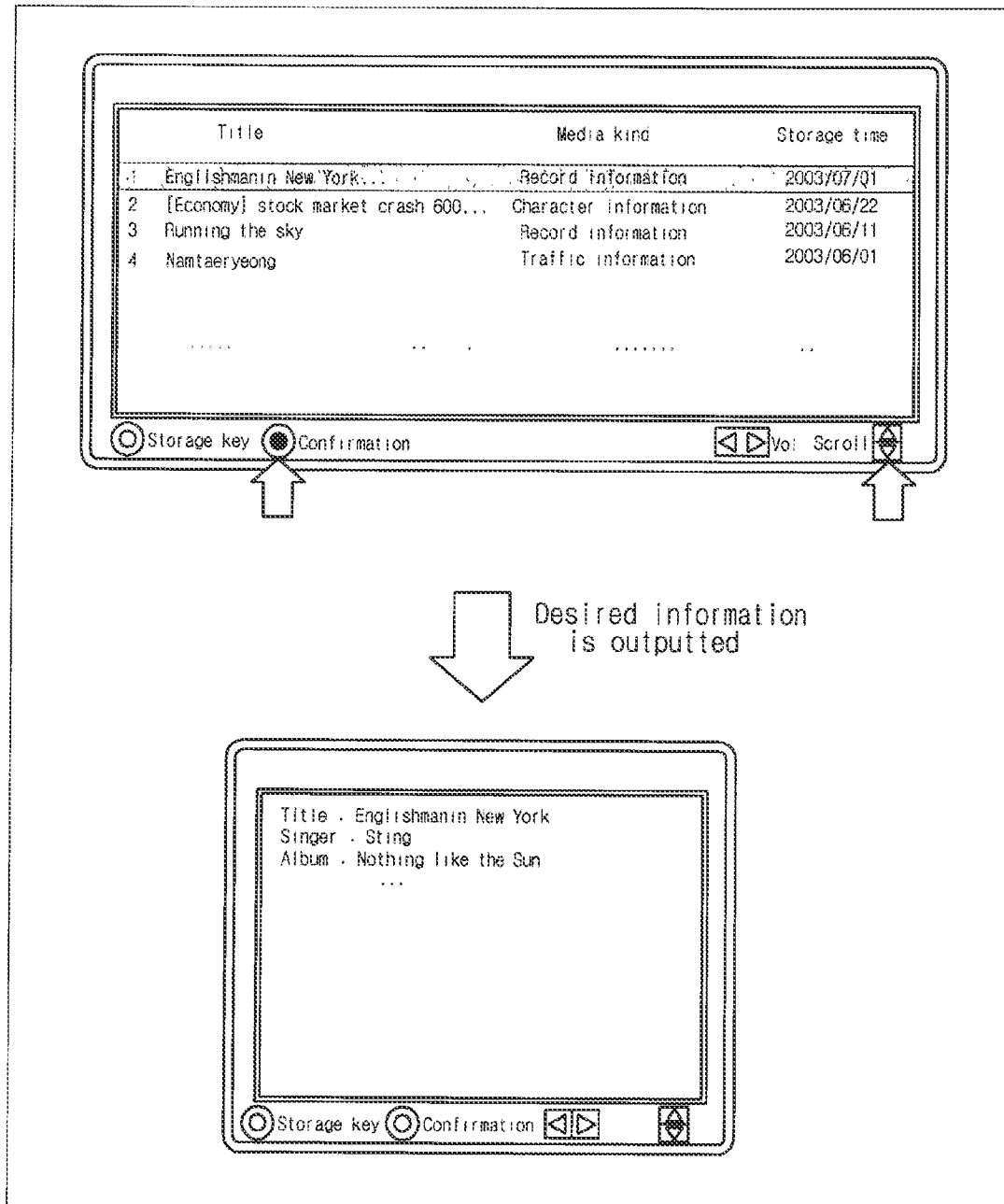


FIG. 11

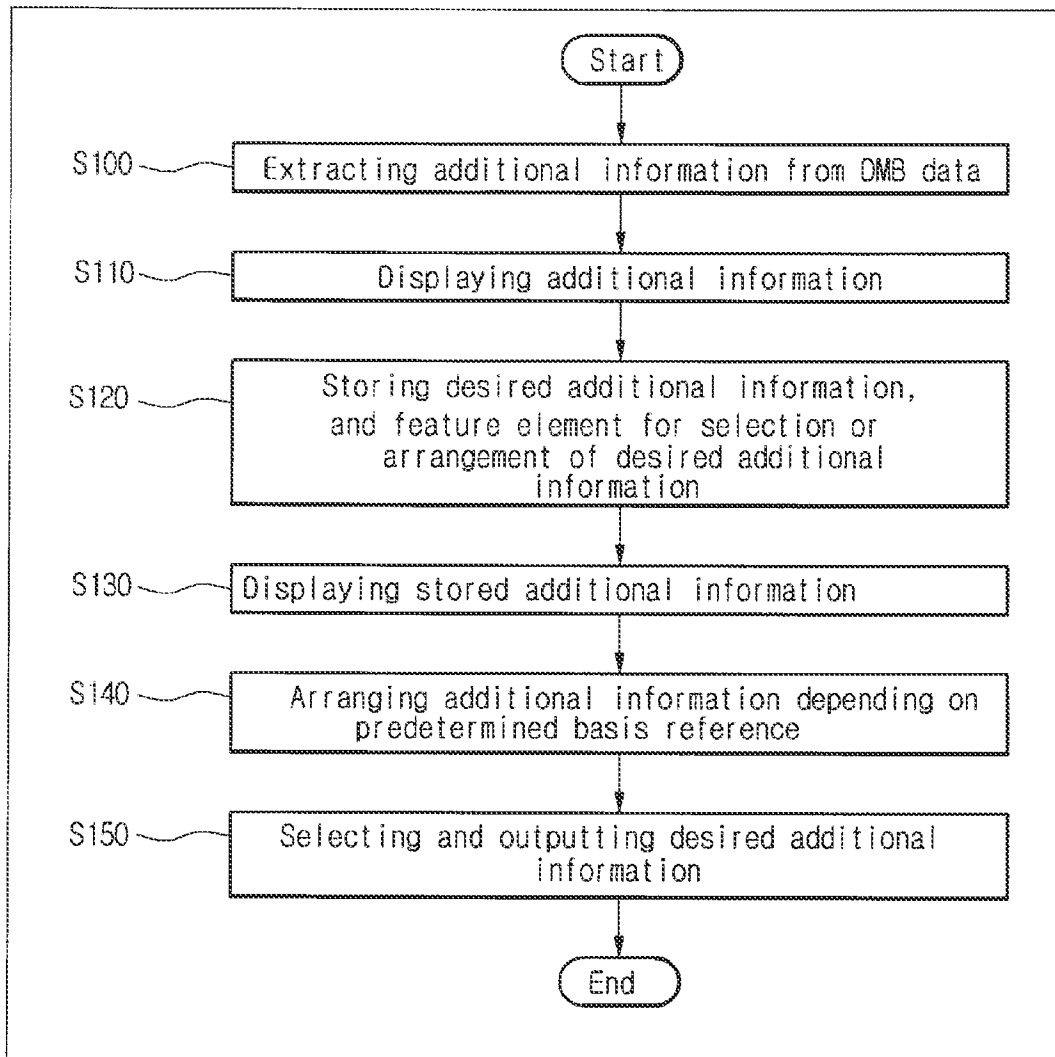


FIG. 12

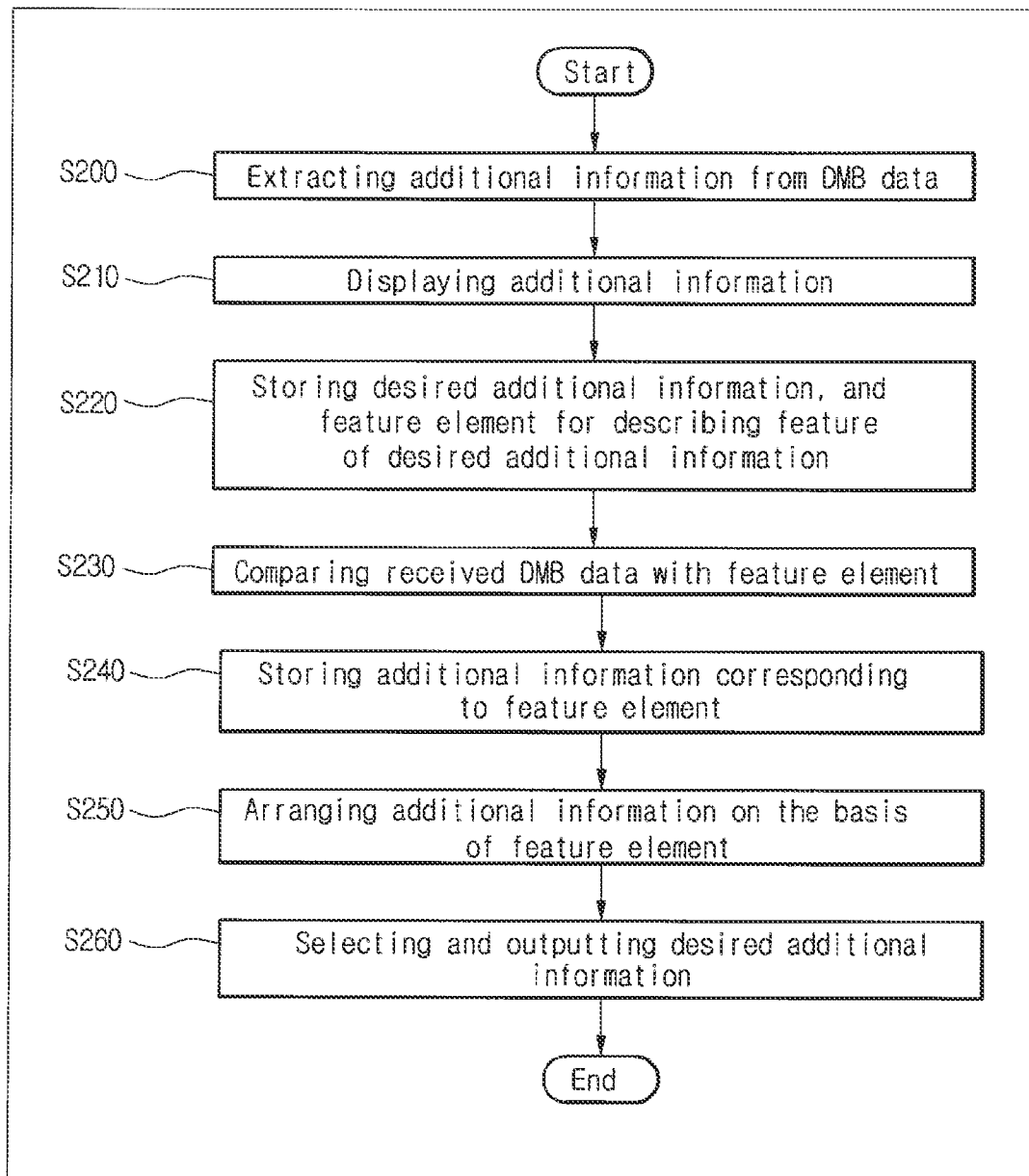
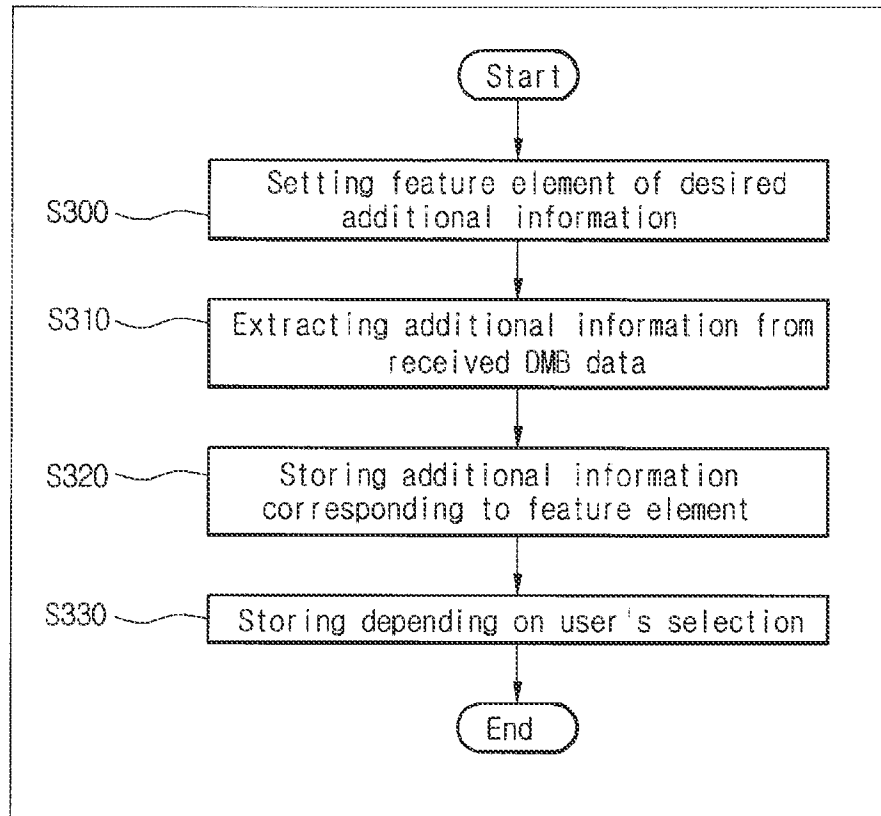


FIG. 13



(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
4 November 2004 (04.11.2004)

PCT

(10) International Publication Number
WO 2004/095345 A1

(51) International Patent Classification⁷: **G06G 3/00**,
G06F 17/30, H04N 7/14, 7/173

(US): PEARCE, James, Edward [GB/US]; 3889 North-
west 120th Terrace, Portland, Oregon 97229 (US).

(21) International Application Number:
PCT/US2004/006672

(74) Agents: TRIPOLI, Joseph, S. et al.; 2 Independence Way,
Suite 200, Princeton, New Jersey 08540 (US).

(22) International Filing Date: 4 March 2004 (04.03.2004)

(81) Designated States (unless otherwise indicated, for every
kind of national protection available): AE, AG, AL, AM,
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,
GB, GD, GE, GH, GM, HN, HU, ID, IL, IN, IS, JP, KE,
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,
MG, MK, MN, MW, MX, MZ, NA, NL, NO, NZ, OM, PG,
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,
TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM,
ZW.

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/458,653 28 March 2003 (28.03.2003) US

(71) Applicant (for all designated States except US): THOM-
SON LICENSING S.A. [FR/FR]; 46, Quai A. Le Gallo,
F-92648 Boulogne (FR).

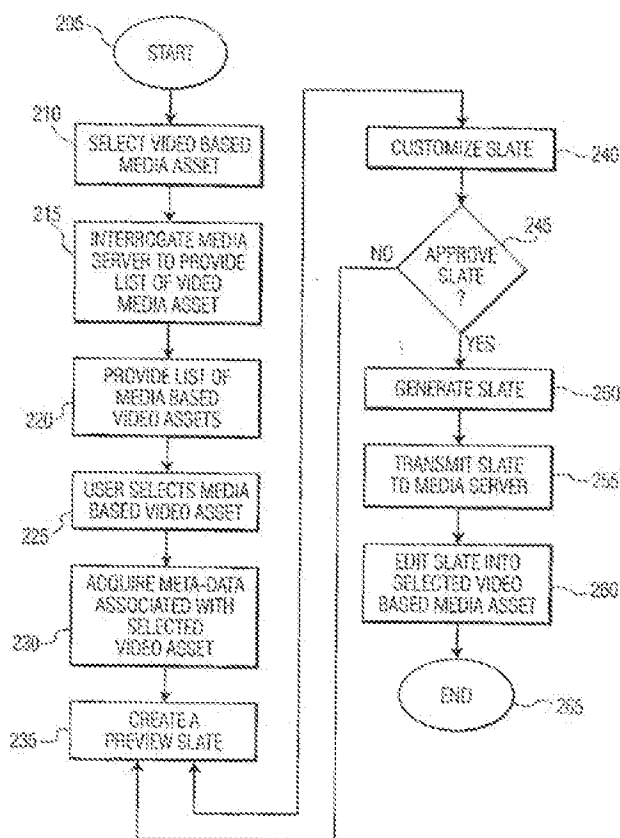
(72) Inventors; and

(75) Inventors/Applicants (for US only): IVEY, Matthew, Al-
bert [US/US]; 11296 NW Skyline Boulevard, Portland,
Oregon 97231 (US); NAYLOR, John, Robert [GB/US];
2707 South Shore Boulevard, Lake Oswego, Oregon 97034

(84) Designated States (unless otherwise indicated, for every
kind of regional protection available): ARIPO (BW, GH,
GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW),
Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), Euro-
pean (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR,

[Continued on next page]

(54) Title: SYSTEM AND METHOD FOR AUTOMATICALLY GENERATING A SLATE USING METADATA



(57) Abstract: A system (100) and corresponding methods (205-265) are provided for enabling the automatic generation of a slate using metadata. The method comprises the steps of: receiving a request to provide a user with a list of video media assets so the user can select a video media asset to generate a slate (210); providing the user with the list of video media assets (220) and receiving a selected video media asset from the user (225); acquiring metadata associated with the selected video media asset (230); creating a preview of the slate by generating fields that are associated with the acquired metadata (235); generating the slate in response to the user's approval of the previewed slate (250); transmitting the slate to a video server (255); and editing the slate into the selected video media asset (260) so the slate and the video media asset can be viewed in conjunction with each other, thereby providing the user (via the slate) with information about the video media asset such as the video media asset's name, duration, database location, etc.

WO 2004/095345 A1



(11)

EP 1 988 711 A2

(12)

EUROPEAN PATENT APPLICATION

(43) Date of publication:
05.11.2008 Bulletin 2008/45

(51) Int Cl.:
H04N 7/10 (2006.01)

(21) Application number: **08161654.2**

(22) Date of filing: **02.10.1996**

(84) Designated Contracting States:
**AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC
NL PT SE**

(30) Priority: **02.10.1995 US 537650 P**
03.05.1996 US 642259 P
26.07.1996 US 22826 P

(62) Document number(s) of the earlier application(s) in
accordance with Art. 76 EPC:
05075464.7 / 1 542 464
96936153.4 / 0 880 856

(71) Applicant: **Starsight Telecast, Inc.**
Los Angeles,
California 90028 (US)

(72) Inventor: **The designation of the inventor has not
yet been filed**

(74) Representative: **Neobard, William John et al**
Kilburn & Strode
20 Red Lion Street
London WC1R 4PJ (GB)

Remarks:

This application was filed on 01-08-2008 as a
divisional application to the application mentioned
under INID code 62.

(54) **Systems and methods for providing television schedule information**

(57) The present invention provides systems and methods for providing television schedule information to a viewer, and for allowing the viewer to link, search, select and interact with information in a remote database, e.g., a database on the internet. The television schedule information can be displayed on a variety of viewer interfaces, such as television screens (32), computer monitors (10), PCTV screens (362) and the like. The television schedule information may be stored on the viewer's computer (10), television (32), PCTV (362), or a remote server (350), or the television schedule information may be downloaded from a remote database to the viewer's computer (10), television (32) or PCTV (362).

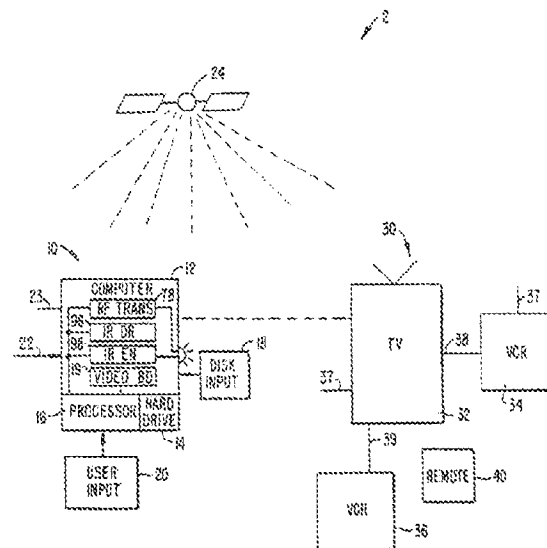


FIG. 1

EP 1 988 711 A2